

GENERAL POWER OF ATTORNEY
(Concerning Several International Patent Applications)

The undersigned, Howard J. Rudge, Senior Vice President and General Counsel of E. I. DU PONT DE NEMOURS AND COMPANY, 1007 Market Street, Wilmington, Delaware 19898 USA ("DuPont"), hereby confirms that the power to sign for DuPont has been granted to various individuals (as set forth in the attached excerpt from DuPont's Patent Board Rules of Procedure (January 1988), Appendix Section III.A.4), including the Chairman, Vice-Chairman, and those individuals who are Assistant Secretaries of the Patent Board. Currently these Assistant Secretaries are:

Roger A. Bowman
Linda J. Davis
John E. Griffiths

Miriam D. Meconnahey
Dorothy W. Shafer
Deborah A. Meginniss

In addition, the authority to act on behalf of DuPont before the competent International Authorities in connection with any and all international patent applications filed by it with the United States as Receiving Office and to make or receive payments on its behalf is hereby granted to:

Beardell, Lori Y.	34,293	Joung, J. Kenneth	41,881
Belopolsky, Inna	43,319	Katz, Elliott A.	26,396
Benjamin, Steven C.	36,087	Kelly, Patricia L.	39,247
Birch, Linda D.	38,719	King, Karen K.	34,850
Bowen, Jr., Alanson G.	24,027	Krukiel, Charles E.	27,344
Burgess, Richard H.	22,292	Jarnholm, Arne R.	30,396
Christenbury, Lynne M.	30,971	Lerman, Bart E.	31,897
Deitch, Gerald E.	30,457	Levitt, Cary A.	31,848
Deshmukh, Sudhir	33,677	Magee, Thomas H.	27,355
Dobson, Kevin S.	40,296	Malinowski, Andrea V.	33,012
Duffy, Roseanne R.	33,869	Mayer, Nancy S.	29,190
Edwards, Mark A.	39,542	McGee, Patricia	37,391
Estrin, Barry	26,452	Medwick, George M.	27,456
Evans, Craig H.	31,825	Morrissey, Bruce W.	30,663
Fair, Tamera L.	35,867	Santopietro, Lois A.	36,264
Feltham, S. Neil	36,506	Schaeffer, Andrew L.	33,605
Feulner, Gregory J.	41,744	Shafer, Robert J.	24,437
Floyd, Linda Axamethy	33,692	Shay, Lucas K.	34,724
Frank, George A.	27,636	Shipley, James E.	32,003
Fricke, Hilmar L.	22,384	Siegell, Barbara C.	30,684
Golian, Andrew G.	25,293	Sinnott, Jessica M.	34,015
Gorman, Thomas W.	31,959	Steinberg, Thomas W.	37,013
Gould, David J.	25,338	Stevenson, Robert B.	26,039
Griffiths, John E.	32,647	Strickland, Frederick D.	39,041
Hamby, Jane O.	32,872	Tessari, Joseph A.	32,177
Hamby, William H.	31,521	Tulloch, Rebecca W.	36,297
Heiser, David E.	31,366	Walker, P. Michael	32,602
Hendrickson, John S.	30,847	Wang, Chen	38,650
Jones, Brian C.	37,857		

The undersigned ratifies fully all actions already taken by the above-named individuals in accordance with the authority granted hereby.

E. I. DU PONT DE NEMOURS AND COMPANY

By: Howard J. Rudge
Howard J. Rudge
Senior Vice President and General Counsel

Date: 11/8/99